



Mr. Steve Trent
Fluor Hanford Inc.
825 Jadwin Ave.
Richland, WA 99352



**Subject: Contract No. 630
Analytical Data Package**

Dear Mr. Trent:

Enclosed are the hard copy analytical reports for the batch number/fraction indicated (marked X) in the following table:

LvLI Batch #	0708L712
SDG #	H3556
SAF #	F02-001
Date Received	8/7/07
# Samples	14
Matrix	WATER
Volatiles	
Semivolatiles	
Pest/PCB	
DRO/GRO/KRO	
Herbicides	
GC Alcohol	
Metals	
Inorganics	X

The electronic data deliverable (EDD) will be emailed shortly. If you have any questions, please don't hesitate to contact me at (610) 280-3012.

Sincerely,
Lionville Laboratory Incorporated

Orlette S. Johnson
Project Manager

Lionville Laboratory, Inc.
 INORGANIC ANALYTICAL DATA PACKAGE FOR
 TNUHANFORD F02-001 H3556

DATE RECEIVED: 08/07/07

LVL LOT # :0708L712

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS	ANALYSIS TIME
B1P7W5							
BIOCHEMICAL OXYGEN D	001	W	07LIB013	07/23/07	08/08/07	08/13/07	1000
HARDNESS	001	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7W6							
BIOCHEMICAL OXYGEN D	002	W	07LIB013	07/23/07	08/08/07	08/13/07	0955
HARDNESS	002	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7W7							
BIOCHEMICAL OXYGEN D	003	W	07LIB013	07/23/07	08/08/07	08/13/07	0955
HARDNESS	003	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7W8							
BIOCHEMICAL OXYGEN D	004	W	07LIB013	07/23/07	08/08/07	08/13/07	0950
HARDNESS	004	W	07LHD006	07/23/07	08/15/07	08/15/07	
HARDNESS	004 REP	W	07LHD006	07/23/07	08/15/07	08/15/07	
HARDNESS	004 MS	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7W9							
BIOCHEMICAL OXYGEN D	005	W	07LIB013	07/23/07	08/08/07	08/13/07	0940
HARDNESS	005	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X0							
BIOCHEMICAL OXYGEN D	006	W	07LIB013	07/23/07	08/08/07	08/13/07	0935
HARDNESS	006	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X1							
BIOCHEMICAL OXYGEN D	007	W	07LIB013	07/23/07	08/08/07	08/13/07	0935
HARDNESS	007	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X2							
BIOCHEMICAL OXYGEN D	008	W	07LIB013	07/23/07	08/08/07	08/13/07	0930

▲
 OCT 2007
 RECEIVED

Lionville Laboratory, Inc.
 INORGANIC ANALYTICAL DATA PACKAGE FOR
 TNUHANFORD F02-001 H3556

DATE RECEIVED: 08/07/07

LVL LOT # :0708L712

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS	ANALYSIS TIME
HARDNESS	008	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X3							
BIOCHEMICAL OXYGEN D	009	W	07LIB013	07/23/07	08/08/07	08/13/07	0910
HARDNESS	009	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X4							
BIOCHEMICAL OXYGEN D	010	W	07LIB013	07/23/07	08/08/07	08/13/07	0900
HARDNESS	010	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X5							
BIOCHEMICAL OXYGEN D	011	W	07LIB013	07/23/07	08/08/07	08/13/07	0850
HARDNESS	011	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X6							
BIOCHEMICAL OXYGEN D	012	W	07LIB013	07/23/07	08/08/07	08/13/07	0845
HARDNESS	012	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X7							
BIOCHEMICAL OXYGEN D	013	W	07LIB013	07/23/07	08/08/07	08/13/07	0835
HARDNESS	013	W	07LHD006	07/23/07	08/15/07	08/15/07	
B1P7X8							
BIOCHEMICAL OXYGEN D	014	W	07LIB013	07/23/07	08/08/07	08/13/07	0820
BOD 5 DAY	014 REP	W	07LIB013	07/23/07	08/08/07	08/13/07	0830
HARDNESS	014	W	07LHD006	07/23/07	08/15/07	08/15/07	

LAB QC:

BIOCHEMICAL OXYGEN D	MB1	W	07LIB013	N/A	08/08/07	08/13/07	
BOD 5 DAY	MB1 BS	W	07LIB013	N/A	08/08/07	08/13/07	
HARDNESS	MB1	W	07LHD006	N/A	08/15/07	08/15/07	

Lionville Laboratory, Inc.
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNUHANFORD F02-001 H3556

DATE RECEIVED: 08/07/07

LVL LOT # :0708L712

CLIENT ID /ANALYSIS	LVL #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
HARDNESS	MB1 BS	W	07LHD006	N/A	08/15/07	08/15/07
HARDNESS	MB1 BSD	W	07LHD006	N/A	08/15/07	08/15/07



Analytical Report

Client: TNU-HANFORD F02-001 H3556
LVL#: 0708L712

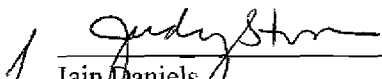
W.O.#: 11343-606-001-9999-00
Date Received: 08-07-07

INORGANIC NARRATIVE

1. This narrative covers the analyses of 14 water samples.
2. The samples were prepared and analyzed in accordance with the methods checked on the attached glossary.

LvLI is NELAP accredited by the State of Pennsylvania. For a complete list of accrediting authorities and the corresponding analytes/methods, please contact your Project Manager. LvLI certifies that all test results meet the requirements of NELAC with any exception noted in the following statements.

3. Sample holding times as required by the method and/or contract were met for Hardness analysis however Biochemical Oxygen Demand (BOD) samples were received past hold (see the sample chronology summary for analyses times for short hold samples).
4. The results presented in this report are derived from samples that met LvLI's sample acceptance policy with the exception of BOD as noted on the Sample Receipt Checklist.
5. The method blanks were within the method criteria.
6. The Laboratory Control Samples (LCS) were within the laboratory control limits. The duplicate LCS for Hardness was within the 20% Relative Percent Difference (RPD) control limit.
7. The matrix spike recovery for Hardness was within the 75-125% control limits.
8. The replicate analyses for Hardness and BOD were within the 20% RPD control limit.
9. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard copy package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.


Iain Daniels
Laboratory Manager
Lionville Laboratory Incorporated

9/12/07
Date

njpl08-712

The results presented in this report relate to the analytical testing and conditions of the samples upon receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 15 pages.

Lionville Laboratory Incorporated

WET CHEMISTRY

METHODS GLOSSARY FOR WATER SAMPLE ANALYSIS

	<u>EPA /600</u>	<u>SW846</u>	<u>OTHER</u>
Acidity	305.1		
___ Alkalinity ___ Bicarbonate ___ Carbonate	310.1		
BOD	✓ 405.1		___ 5210B (b)
Ion Chromatography:			
___ Bromide ___ Chloride ___ Fluoride	300.0	___ 9056	
___ Nitrate ___ Nitrite ___ Phosphate	300.0	___ 9056	
___ Sulfate ___ Formate ___ Acetate ___ Oxalate	300.0	___ 9056	
Chloride	325.2	___ 9251	
Chlorine, Residual	330.5 (mod)		
Cyanide, Amenable to Chlorination	335.2	___ 9010B	
Cyanide, Total	335.2	___ 9010B	___ 9014 ___ ILMO4.0 (e)
Cyanide, Weak Acid Dissociable			___ 412 (a) ___ 4500CN-1 (b)
COD	410.4(mod)		___ 5220C (b)
Color	110.2		
Corrosivity by Coupon		___ 1110(mod)	
Chromium VI		___ 7196A	___ 3500Cr-D (b)
Fluoride	340.2		___ 4500-FC
Hardness, Calcium	215.2		
Hardness, Total	✓ 130.2		
Iodide			___ ASTM D19P202 (1)
Surfactant	425.1		
___ Nitrate-Nitrite ___ Nitrate ___ Nitrite	353.2		
Ammonia	350.3		
Total ___ Kjeldahl ___ Organic Nitrogen	351.3		
Total ___ Organic ___ Inorganic Carbon	415.1	___ 9060	
Oil & Grease	413.1	___ 9070	
___ pH ___ pH; paper	150.1	___ 9040B ___ 9041A	
Petroleum Hydrocarbons, Total Recoverable	418.1		
Phenol	420.1	___ 420.2 ___ 9065 ___ 9066	
___ Ortho ___ Total Phosphate	365.2		___ 4500-P B ___ C
Salinity			___ 210A (a) ___ 2520 (b)
Settleable Solids	160.5		
Sulfide	376.1		___ 9030B/9034 (acid soluble)
Reactive ___ Cyanide ___ Sulfide		___ Section 7.3 (___ 9014 ___ 9030B)	
Silica	370.1		
Sulfite	377.1		
Sulfate	375.4	___ 9038	
Specific Conductance	120.1	___ 9050A	
Specific Gravity			___ D5057-90 ___ 213E (a)
Synthetic Precipitation Leach		1312	
Total ___ Dissolved ___ Suspended ___ Solids	160 ___ .1 ___ .2 ___ .3		
Total Organic Halides	450.1	___ 9020B	
Turbidity	180.1		
Volatile Solids:			
___ Total ___ Dissolved ___ Suspended	160.4		
Other:		Method:	

Lionville Laboratory Incorporated

METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

- U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.
- * = Indicates that the original sample result is greater than 4x the spike amount added.

ABBREVIATIONS

- MB = Method or Preparation Blank.
MS = Matrix Spike.
MSD = Matrix Spike Duplicate.
REP = Sample Replicate
LC = Laboratory Control Sample.
NC = Not calculated.

A suffix of -R, -S, or -T following these codes indicate a replicate, spike or sample duplicate analysis respectively.

ANALYTICAL WET CHEMISTRY METHODS

1. ASTM Standard Methods.
2. USEPA Methods for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020).
3. Test Methods for Evaluating Solid Waste (USEPA SW-846).
 - a. Standard Methods for the Examination of Water and Waste, 16 ed, (1983).
 - b. Standard Methods for the Examination of Water and Waste, 17 ed, (1989)/18ed (1992).
 - c. Method of Soil Analysis, Part 1, Physical and Mineralogical Methods, 2nd ed, (1986).
 - d. Method of Soil Analysis, Part 2, Chemical and Microbiological Properties, Am. Soc. Agron., Madison, WI (1965).
 - e. USEPA Contract Laboratory Program, Statement of Work for Inorganic Analysis.
 - f. Code of Federal Regulations.

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 08/20/07

CLIENT: TNOHANFORD F02-001 H3556
 WORK ORDER: 11343-606-001-9999-00

LVL LOT #: 0708L712

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-001	B1P7W5	BOD 5 Day Hardness	1 216	u MG/L	1 2.0	1.0 1.0
-002	B1P7W6	BOD 5 Day Hardness	1 237	u MG/L	1 4.0	1.0 1.0
-003	B1P7W7	BOD 5 Day Hardness	1 212	u MG/L	1 4.0	1.0 1.0
-004	B1P7W8	BOD 5 Day Hardness	1 188	u MG/L	1 4.0	1.0 1.0
-005	B1P7W9	BOD 5 Day Hardness	1 233	u MG/L	1 4.0	1.0 1.0
-006	B1P7X0	BOD 5 Day Hardness	1 216	u MG/L	1 4.0	1.0 1.0
-007	B1P7X1	BOD 5 Day Hardness	1 200	u MG/L	1 4.0	1.0 1.0

Lionville Laboratory, Inc.

INORGANICS DATA SUMMARY REPORT 08/20/07

CLIENT: TNUHANFORD F02-001 H3556
 WORK ORDER: 11343-506-001-9999-00

LVL LOT #: 0708L712

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-008	B1P7X2	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	171	MG/L	4.0	1.0
-009	B1P7X3	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	188	MG/L	4.0	1.0
-010	B1P7X4	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	163	MG/L	4.0	1.0
-011	B1P7X5	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	273	MG/L	4.0	1.0
-012	B1P7X6	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	171	MG/L	4.0	1.0
-013	B1P7X7	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	269	MG/L	4.0	1.0
-014	B1P7X8	BOD 5 Day	1	u MG/L	1	1.0
		Hardness	408	MG/L	4.0	1.0

Lionville Laboratory, Inc.

INORGANICS METHOD BLANK DATA SUMMARY PAGE 06/20/07

CLIENT: TNUHANFORD P02-001 H3556
WORK ORDER: 11343-606-001-9999-00

LVL LOT #: 0708L712

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
BLANK10	07LEB013-MB1	BOD 5 Day	1	u MG/L	1	1.0
BLANK10	07LHD006-MB1	Hardness	0.50	u MG/L	0.50	1.0

Lionville Laboratory, Inc.

INORGANICS ACCURACY REPORT 08/20/07

CLIENT: TNUHANFORD F02-001 H3556
 WORK ORDER: 11343-606-001-9999-00

LVL LOT #: 0708L712

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR (SPK)
-004	B1P7W8	Hardness	351	188	160	102.0	1.0
BLANK10	07LIB013-MB1	BOD 5 Day	205	1 u	200	102.7	1.0
BLANK10	07LHD006-MB1	Hardness	39.8	0.50u	40.0	99.4	1.0
		Hardness MSD	40.8	0.50u	40.0	102.0	1.0

Lionville Laboratory, Inc.

INORGANICS DUPLICATE SPIKE REPORT 08/20/07

CLIENT: TNUHANFORD F02-001 H3556
WORK ORDER: 11343-606-001-9999-00

LVL LOT #: 0708L712

SAMPLE	SITE ID	ANALYTE	SPIKE#1 %RECOV	SPIKE#2 %RECOV	%DIFF
BLANK10	07LHD006-MB1	Hardness	99.4	102.0	2.5

Lionville Laboratory, Inc.

INORGANICS PRECISION REPORT 08/20/07

CLIENT: TNUHANFORD F02-001 H3556
 WORK ORDER: 11343-606-001-9999-00

LVL LOT #: 0708L712

SAMPLE	SITE ID	ANALYTE	INITIAL RESULT	REPLICATE	RPD	DILUTION FACTOR (REP)
=====	=====	=====	=====	=====	=====	=====
-004REP	B1P7W8	Hardness	188	192	2.2	1.0
-014REP	B1P7X8	BOD 5 Day	1 u	1 u	NC	1.0

Lionville Laboratory Incorporated
SAMPLE RECEIPT CHECKLIST (SRC)

CLIENT: TNU HANFORD
 Project/SAT/SOW/Release #: F02-001

Date: 8/7/07

LvLI Batch #: 0708L 712

Sample Custodian: Pat Henry

NOTE: EXPLAIN ALL DISCREPANCIES

1. Samples Hand Delivered <u>(Shipped?)</u>	Carrier <u>FedEx</u>	Airbill # <u>79173557 0486</u> <u>L L 0475</u>
2. Custody Seals on coolers or shipping containers intact, signed & dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No Seals
3. Outside of coolers or shipping containers are free from damage?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Comments:
4. All expected paperwork received (coc & other client specific information) sealed in plastic bag and easily accessible?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5. Samples received cooled or ambient?	Temp <u>33°</u> <u>31°</u> °C	Cooler # <u>GRP04-008</u> <u>GWO-07-006</u>
How was the temperature taken?	<input checked="" type="checkbox"/> IR	<input type="checkbox"/> Temp. Blank <input type="checkbox"/> Other (Specify):
Is the Temp. Criteria met for these samples? (Hg in soils @ 4°C)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6. Custody seals on sample containers intact, signed and dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No Seals
7. COC (Client & LvLI) signed & dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <u>No COC</u>
8. Sample containers are intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
9. All samples on COC received? All samples received on COC?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No
10. All sample label information matches COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
11. Samples properly preserved? (if #5 is no, then this is no.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
12. Samples received within hold times? Short holds taken to wet lab?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <u>BOD rec'd past hold</u>
13. VOA, TOC, TOX free of headspace?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
14. QC stickers placed on bottles designated by client?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
15. Shipment meets LvLI Sample Acceptance Policy? (Identify all bottles that do not meet the policy, which is on the reverse of this page.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <u>All #12</u>
16. Project Manager contacted concerning any discrepancies? Person Contacted <u>OJ</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
		Date <u>8/7/07</u>




Client COC not rec'd.

**THE FOLLOWING PAGES WERE ADDED
BY FLUOR HANFORD SAMPLE
MANAGEMENT. THE ORIGINAL
CHAINS OF CUSTODY WERE LOCATED
IN THE SHIPPING FACILITY AND
COPIES OF THEM ARE BEING
INSERTED INTO THIS PACKAGE.**

COLLECTOR Pope/Pfister/Mokler/Parchen/White/Webb/Julian	COMPANY CONTACT BYRNES, ME	TELEPHONE NO. 373-3996	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 7N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION 200-ZP-1 Pump and Treat	PROJECT DESIGNATION 200-ZP-1 Pump & Treat Bi-Weekly and Quarterly Process Monitoring		SAF NO. F02-001	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO. GWB-07-006/10PP-04-008	FIELD LOGBOOK NO. HNF-N-575-1	COA 122598E520	METHOD OF SHIPMENT Fed Ex		
SHIPPED TO Lionville Laboratory Incorporated	OFFSITE PROPERTY NO. See PTR 20049		BILL OF LADING/AIR BILL NO. See PTR 20049		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993) Samples did not originate in radiological controlled area. No total activity associated with sample/samples.	PRESERVATION	HW03 to pH <2	Cool~4C																	
		TYPE OF CONTAINER	P	P																	
		NO. OF CONTAINER(S)	1	1																	
		VOLUME	500mL	1000ml.																	
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	Hardness - 130.2;	BOD - 405.1;																		

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B1P7X0	WATER	7-23-07	1115	X	X														
B1P7X1	WATER		1105	X	X														
B1P7X2	WATER		1130	X	X														
B1P7X3	WATER		1130	X	X														
B1P7X4	WATER	7-23-07	1145	X	X														

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
J.S. Pope / ASH	7-23-07 1445	M0745 / REF. #1	7-23-07 1445		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
M0745 / REF. #1	AUG 06 2007 0945	M.A. Baechler	AUG 06 2007 0945		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
M.A. Baechler	AUG 06 2007 0945	Fed Ex			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F02-001-086

PAGE 3 OF 3

COLLECTOR
Pope/Pfister/Mokler/Parchen/White/Webb/Julian

COMPANY CONTACT
BYRNES, ME

TELEPHONE NO.
373-3996

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 7N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
200-ZP-1 Pump and Treat

PROJECT DESIGNATION
200-ZP-1 Pump & Treat BI-Weekly and Quarterly Process Monitoring

SAF NO.
F02-001

AIR QUALITY

ICE CHEST NO.
GWO-07-001/2007

FIELD LOGBOOK NO.
HNF-N-575-1

COA
122598ES20

METHOD OF SHIPMENT
Fed Ex

SHIPPED TO
Lionville Laboratory Incorporated

OFFSITE PROPERTY NO.
See PTR 20049

BILL OF LADING/AIR BILL NO.
See PTR 20049

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

Samples did not originate in radiological controlled area. No total activity associated with sample/samples.

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION
HNO3 to pH <2

TYPE OF CONTAINER
P

NO. OF CONTAINER(S)
1

VOLUME
500mL

SAMPLE ANALYSIS
Hardness - 130.2;

Cool=4C

P

1

1000mL

BOD - 405.1;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1P7X5	WATER	7-23-07	0955	X	X
B1P7X6	WATER	1	1015	X	X
B1P7X7	WATER	1	1030	X	X
B1P7X8	WATER	7-23-07	1045	X	X

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM J.S. Pope / 7-23-07	DATE/TIME 1445	RECEIVED BY/STORED IN MO-745 / RET # 72307
RELINQUISHED BY/REMOVED FROM MO-745 / 08/06/2007	DATE/TIME 0945	RECEIVED BY/STORED IN M.A. Baechler / M.A. Baechler
RELINQUISHED BY/REMOVED FROM M.A. Baechler / 08/06/2007	DATE/TIME 0945	RECEIVED BY/STORED IN Fed Ex
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN

 ORIGINAL

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME